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ANNUAL REPORT

OF THE

HEALTH OF THE DISTRICT

FOR THE YEAR 1937,

BY

H. GIBBONS WARD, M.D., D.P.H.,

MEDICAL OFFICER OF HEALTH

OF THE

Warwickshire Combined Districts.

Leamington Spa :

A. TOMES, LTD., PRINTERS, 46, BEDFORD STREET.

1938.

1, MILVERTON HILL,
LEAMINGTON SPA.

May, 1938.

To the Council of the Borough of Warwick.

MR. MAYOR, MRS. COUNC. BAILEY, AND GENTLEMEN,

I beg to present my report for the year 1937, relating to the sanitary conditions of the Borough and the health of its inhabitants.

My thanks are due to the Members of the Council for their kindness and consideration, also to my colleagues for their ready help.

A great deal of work in connection with this report has fallen to Mr. F. J. Allen, the Sanitary Inspector, and I wish to thank him for his willing assistance at this and all other times.

I am, Mr. Mayor, Mrs. Counc. Bailey, and Gentlemen,

Your obedient Servant,

H. GIBBONS WARD,
Medical Officer of Health.

**PUBLIC HEALTH OFFICERS OF THE
BOROUGH OF WARWICK.**

Sanitary Inspector's Dept. :

Inspector : F. J. ALLEN, A.R.San.I., M.S.I.A.

Clerk : R. P. CHURCHILL.

Borough Engineer, Surveyor and Waterworks Engineer :

R. WORMELL, A.M.I.C.E., M.I.M. & C.Y.E., A.M.T.P.I.

Public Analysts :

HILL & RIGBY, Birmingham.

Medical Officer of Health :

H. GIBBONS WARD, M.D., Ch.B., D.P.H.

Borough of Warwick.

A. GENERAL STATISTICS.

Area (Acres)	5,057
Population (estimated) Mid-year, 1937	13,970
Population, Resident Census	13,459
Number of Inhabited Houses (1931)	3,339
Number of Inhabited Houses (end of 1937) according to Rate Book	3,923
Number of Families or Separate Occupiers (1931)	3,408
Rateable Value	£97,518
Sum represented by a penny rate	£406

2. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

			Total.	M.	F.		
Live Births	{	Legitimate	213	118	95	Birth Rate	16.3
		Illegitimate	15	9	6		
Still Births—Rate per 1,000 total births			...	...	...		32.5
Deaths	...	...	185	83	102	Death Rate	13.2
Comparability Factor			...	...	...		.91
Adjusted Death Rate	...	...	...	...	...		12.0
Deaths from Diseases and Accidents of Pregnancy and Child-birth	{	From Sepsis	...				—
		„ other causes	...				—
Death Rate of Infants under 1 year of age :—							
All Infants per 1,000 live births	...	...	...	...	...		66
Legitimate Infants per 1,000 legitimate live births							65
Illegitimate Infants per 1,000 illegitimate live births	...	...	...	...	...		67
Deaths from Measles (all ages)				...	...		—
„ „ Whooping Cough (all ages)				...	...		—
„ „ Diarrhoea (under 2 years of age)					...		—

VITAL STATISTICS.

Vide Table II.

Population.—The estimated population in the middle of 1937 is given as 13,970 ; this is an increase of 170 on the figure for 1936, and an increase of 511 on the Census figure.

The “ Natural Increase ” of population, *i.e.*, the excess of births over deaths, was 43.

Birth-Rate.—There were 228 births, giving a birth-rate of 16.3 per 1,000. In 1936, the respective figures were 217 and 15.7 per 1,000.

Death-Rate.—There were 185 deaths, giving a death-rate of 13.2 per 1,000. The respective figures for 1936 were 156 and 11.3 per 1,000.

The Adjusted Death-rate for comparison with that for England and Wales was 12.0.

A detailed analysis of the cause of death is given in Table IV., but one may call attention to the commoner causes, viz., Influenza 9, Heart Disease 56, Apoplexy 8, Cancer 21, Bronchitis 2, Violence 5.

In regard to Cancer the number of deaths during the past few years is as follows:—

1920	1921	1922	1923	1924	1925	1926	1927	1928
7	15	11	20	25	20	20	17	22
1929	1030	1931	1932	1933	1934	1935	1936	1937
21	22	21	40	30	30	21	24	21

The death-rate per 100,000 population was 160.

Of these 18 deaths 6 were in males and 12 in females.

The number of deaths in the Combined District per 100,000 of population for the past 10 years is as follows:—

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
125	124	151	142	152	155	146	146	148	151

Infantile Mortality.—15 deaths of infants under one year were registered, giving an infantile mortality rate of 66 per 1,000 births. This rate compares badly with the figure for past years (see Table II.) and is higher than that for England and Wales for 1937, viz., 58.

It will also be noted that out of the 15 deaths of infants 8 were due to conditions obtaining prior to birth.

B. GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

1. *Public Health Officers.*—A complete list is given at the front of the Report.

No change has taken place in the duties of the staff since the last Report.

2. *Nursing in the Home.*—None provided by the Authority.

6. *Laboratory Facilities*.—The following Table shews the extent to which the County Scheme for the free bacteriological examinations by Birmingham University has been utilised :—

	Positive.		Negative.		Total.
*Diphtheria ...	169	...	527	...	696
*Enteric Fever	—	...	8	...	8
Tuberculosis	12	...	55	...	67
					<hr/> 771 <hr/>

*This includes specimens sent from Heathcote Isolation Hospital.

7. *Legislation in Force.*

WARWICK CORPORATION ACT, 1928 : SANITARY PROVISIONS.

The headings of the various provisions of this Act were given for reference in the Report for 1928.

ADOPTIVE ACTS.

A complete list was given in the Report for 1930.

8. *Hospitals, Ambulances, etc.*—There is no change to report in the facts set out in the Report for 1930.

III. SANITARY CIRCUMSTANCES OF THE DISTRICT.

1. (i) *Water*.—The construction of the new Reservoir mentioned in last year's report was nearing completion at the end of the year. The Council have accepted a tender for the installation of a Chlorination plant.

The public water mains have been further extended on the Charles Street site, the Leam Housing estate and Myton Road.

No complaints were received of the discolouration of the town supply.

It was reported that three samples of the town water were "entirely satisfactory."

During the year the water consumption, inclusive of that supplied for trade purposes, has amounted to 27.89 gallons per head per day.

(ii) *Drainage and Sewerage*.—Complaints have again been received respecting the flooding from the sewer in Bridge End. The sewer mentioned in last year's report has been further extended and 7 new houses have been erected on the site. A storm water sewer has also been laid from the bottom of West Street to Fisher's Brook in the Stratford Road.

Samples of the sewage and final effluent have been taken at the Sewage Disposal Works. A report of the Hydrographical Survey of the Warwickshire Avon issued by the Ministry of Agriculture and Fisheries stated with reference to the Warwick Sewage Works that "the Warwick sewage effluent had an inappreciable effect on the river."

2. (i) *Rivers and Streams*.—During the year the brook situate in Lammis Field and the Saltisford Common has received attention. Complaints were received respecting the fouling of this brook and steps were taken to try and remedy the matter. No complaints have been received during the year of any serious flooding.

3. (i) *Closet Accommodation*.—During the past year a number of houses have been provided with separate sanitary accommodation; these are mostly cottage property where it is usual to find only one water-closet to two houses. Sixty-nine new pedestal water-closets have been fixed and seventy-five new 2 gallon flushing cisterns have been fixed and connected to the public water supply. Fifty-five new inspection and intercepting chambers have been built.

(ii) *Public Cleansing*.—The removal of house refuse is carried out at weekly intervals; 3,303 loads were removed during the year. Complaints were again received respecting the Council's ash-tip situate in St. Nicholas Meadow, also as regards the method of collection of the dust-bins. Although there may be cause for occasional complaint the present system of collection is a great improvement on the earlier methods.

Under the Warwick Corporation Act, 1928, reports have been made as to insufficient storage accommodation for house refuse at 56 premises and 70 galvanised iron dust-bins have been provided.

(iii) *Sanitary Inspection of the area*.—The Table appended to the Sanitary Inspector's Report gives a summary of his inspections and in his Report will be found full details on the matter, as well as on the premises controlled by Bye-laws.

(iv) *Shops (Shops Act, 1934)*.—The sanitary accommodation at three shops have been improved during the year, in one case the drains have been repaired.

(v) *Smoke Abatement*.—Several complaints were received during the year respecting the excessive amount of smoke being issued from factory chimneys. These complaints were received from tenants in the Packmores area

and the occupiers of the premises responsible were interviewed as regards abating the nuisance.

(vi) *Swimming Baths and Pools*.—The water at the swimming bath situate in the St. Nicholas' Park has received attention during the year. The Council have considered the installation of a filtration plant, also the improvement of the bath. At the end of the year the Council had decided to obtain estimates of the cost of a covered-in swimming bath, probably on a new site.

(vii) *Eradication of Bed Bugs*.—

(a) Number of houses infested	...	...	22
(1) Council Houses	...	...	10
(2) Other Houses	...	...	12
(b) Number of houses disinfected		...	21
(c) Methods used for freeing infested houses	...	Spraying and sulphur fumigation.	
(d) Methods used on transfer to Council houses		Spraying and sulphur fumigation of furniture and belongings of new tenant.	
(e) Whether disinfestation by Local Authority or Contractor	...	...	Local Authority.

SCHOOLS.—The Sanitary accommodation and drains at one school have received attention. The dusty and defective playground mentioned in the previous report has been improved.

D. HOUSING.

1. INSPECTION OF DWELLING-HOUSES DURING THE YEAR.

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	...	...	...	...	...	185
(b) Number of inspections made for the purpose				...			740
(2) (a) Number of dwelling-houses (included under sub-head (1 above) which were inspected and recorded under the Housing Consolidated Regulations, 1925							104
(b) Number of inspections made for the purpose				...			416
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...	...		27
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation				...			158

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	67
--	----

3. ACTION UNDER STATUTORY POWERS DURING THE YEAR.

A.—*Proceedings under sections 9, 10 and 16 of the Housing Act, 1936.*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	33
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By owners	19
(b) By Local Authority in default of owners...	—

B.—*Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ...	85
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) By owners	64
(b) By Local Authority in default of owners	—

C.—*Proceedings under sections 19 and 21 of the Housing Act, 1930.*

(1) Number of dwelling-houses in respect of which Demolition Orders were made	14
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	4

D.—*Proceedings under section 12 of the Housing Act, 1936.*

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ...	—
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ...	—

4. NUMBER OF HOUSES OWNED BY THE LOCAL AUTHORITY distinguishing those built in the last two years and held under (1) Part III. of the Housing Act, 1925, (2) Part II. of the Housing Act, 1925, and (3) other powers.

Total	541
<i>Housing Act, 1919 :—</i>	
St. Laurence Avenue Site	66
The Cape Site... ..	142
	<hr/>
	208
<i>Housing Act, 1923 :—</i>	
The Cape Site... ..	16
Emscote Site	69
	<hr/>
	85
<i>Housing Act, 1924 :—</i>	
Packmores Site	248

HOUSING ACT, 1935. OVERCROWDING.

(a)	(i)	Number of dwellings overcrowded at the end of the year	44
	(ii)	Number of families dwelling therein	44
	(iii)	Number of persons dwelling therein :—	
		Over 10. Under 10. Total No. of persons.	
		273 63 304½	
(b)		Number of new cases of overcrowding reported during the year	1
(c)	(i)	Number of cases of overcrowding relieved during the year	37
	(ii)	Number of persons concerned in such cases :—	
		Over 10. Under 10. Total No of persons.	
		160 60 190	
(d)		Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding ...	Nil
(e)		Included in the total of 115 overcrowded houses found under the Housing Survey, 48 of these houses were situate on the Council's Housing sites. Up to the end of the year, 23 of these cases of overcrowding had been abated, leaving 25 houses belonging to the Town Council to be dealt with. There are also 19 houses, other than Council Houses, still to be dealt with.	

Housing Conditions.

As mentioned in last year's report the Council have opened up a building site in the All Saint's district. This site has been further developed during the year, 35 houses having been erected bringing the total up to 101.

Also the site of the demolished Warwick Prison has been further developed, 45 houses having been erected bringing the total to 106 houses.

No further progress has been made with the building site situate between the Stratford and Hampton roads.

During the year the erection of 87 houses has been carried out by private enterprise, most of which are of the villa type and do not help much in the re-housing of the poorer classes.

A number of houses on the Cape Site, St. Laurence Avenue and the All Saint's Site, owned by the Town Council, have again been repaired and re-decorated.

Overcrowding Survey.—Under the Survey of 1935 it was found that 115 houses came under the definition of overcrowding. Of these cases 71 have been remedied by moving

the tenants into larger houses. The overcrowding found in the houses owned by the Town Council has been abated with the exception of 25 families which require four-bed-roomed houses.

At the end of the year there remained 44 cases to be dealt with, a number of whom are unable to pay any increase in rent. During the year the Town Council decided to erect a further 40 houses on the Packmores Site.

Housing.—During the year the following houses have been demolished :—

No. 10, Coten End.

Nos. 2, 4 and 6, Barrack Street.

Nos. 3a and 5a, Humphriss Street.

Representations have been made for Clearance Areas on :—

Nos. 1, 2, 3 and 4, Watts Court, Smith Street.

Nos. 5, 7, 9 and 11, Wallace Street.

Demolition Orders have been made on :—

Nos. 67, 69, 71, 71a, 73, 75, 77 and 79, West Street.

At the end of the year these orders had not been enforced by the Council.

E. INSPECTION AND SUPERVISION OF FOOD.

(a) *Milk Supply.*—The Food and Drugs Acts are administered by the Council. The Inspector has been most thorough in the sampling, and during the past year 99 samples of various foods have been taken; the major proportion of these were milk samples.

Full details with regard to the results of analysis of these samples are given in the Report of the Sanitary Inspector which follows later.

There are 68 registered purveyors of milk in the Borough and practically all these sell milk in bottles on demand; it is to be hoped that the public will, in their own interest, continue to ask for bottled milk.

The many advantages of Tuberculin Tested Milk have been set out in previous Reports.

During the past year the Council again authorised the testing of milk for the presence of Tubercle Bacilli; out of 21 samples thus tested, 4 were found to contain living Tubercle Bacilli. The samples were taken from 20 herds.

Further full details with respect to the Milk Supply are given in the Inspector's Report.

(b) *Meat*.—Having regard to the fact that the part of the Borough within which the Slaughterhouses are situate is a comparatively small area, it is possible to inspect meat at the time of slaughter with considerable efficiency. There are 9 slaughterhouses in the Borough, 6 of which are Registered.

Humane Slaughter.—The Byelaw enforcing the use of the “ Humane Killer ” in connection with all animals is in force, and no cause for complaint has arisen, save in a few instances where small-holders were not using this instrument. Under the Slaughter of Animals Act, 1933, 21 persons applied for and were granted licenses to slaughter or stun animals in a slaughterhouse.

Carcases Inspected and Condemned.

	Cattle.	Calves.	Sheep & Lambs.	Pigs
Number killed (if known)	922 ...	406 ...	4,606 ...	2,360
Number inspected	... — — — ...	—
<i>All diseases except Tuberculosis.</i>				
Whole carcasses condemned	... — ...	... — ...	5 ...	—
Carcases of which some part or organ was condemned	... — — ...	— ...	—
Percentage of the number inspected affected with disease other than tuberculosis	... — — ...	— ...	—
<i>Tuberculosis only.</i>				
Whole carcasses condemned	... 5 ...	... — ...	— ...	2
Carcases of which some part or organ was condemned	... 5 — ...	— ...	—
Percentage of the number inspected affected with tuberculosis	... — — ...	— ...	—

Reference to the Report of the Inspector will shew that 34 cwt. of food was condemned and destroyed during the year.

The disposal of condemned food is subject to the supervision of the Inspector, and is carried out at the Destructor in Leamington Spa, through the courtesy of that Authority.

Slaughterhouses in use.

	1920.	Jan., 1937.	Dec., 1937.
Registered ...	7	6	6
Licensed ...	2	3	3

(c) *Bakehouses*.—There are 18 bakehouses in the town, and during the year 8 notices to limewash were served and complied with.

VI. PREVALENCE OF, AND CONTROL OVER INFECTIOUS DISEASE.

Incidence of Commoner Infectious Diseases since 1928.

	Smallpox.	Diphtheria.	Scarlet Fever.	Enteric Fever.	Pneumonia.	Encephalitis Lethargica.	Puerperal Pyrexia.
1929 ...	—	10	13	2	18	—	—
1930 ...	—	5	18	—	8	—	1
1931 ...	—	4	21	2	39	2	2
1932 ...	—	16	19	3	18	—	—
1933 ...	—	29	93	2	45	—	—
1934 ...	—	31	19	—	19	—	—
1935 ...	—	25	12	—	31	—	1
1936 ...	—	36	3	1	32	—	—
1937 ...	—	32	44	1	46	—	4

Reference to Table III. will give the age distribution on the cases notified during 1937.

Smallpox.—No cases.

The Joint Hospital Board has continued arrangements to keep the Smallpox Hospital in constant readiness for opening at very short notice.

Diphtheria.—32 cases were notified during the past year; 7 of which were in the Warwick Hospital, 4 in each of two families and 2 in each of two families.

The cases were distributed throughout the town.

28 cases were removed to Hospital; there were 2 deaths.

As far as I am aware, the SCHICK TEST has not been used in the town.

Diphtheria Antitoxin can be obtained by Doctors for use in case of poorer patients from Messrs. Mellor & Co., Market Place, Warwick.

Diphtheria Immunisation.—A scheme for the supply of material free of charge to medical practitioners has been instituted, but there has been little demand as yet.

Scarlet Fever.—44 cases were notified, 2 in one family. 43 cases went to Hospital, and there was 1 death. I have no record of the DICK TEST having been used.

Enteric Fever.—1 case of Paratyphoid B Fever was notified; no source of infection could be found.

Puerperal Fever.—No cases notified.

Puerperal Pyrexia.—4 cases were notified.

Pneumonia.—46 cases were notified, with 15 deaths.

Encephalitis Lethargica.—No cases were notified; there were no deaths.

Public Health (Smallpox) Regulations, 1917.—No action was taken or required under these Regulations.

Non-notifiable Infectious Diseases.—The only outbreak of any importance was Influenza in the first quarter of the year.

Notifications of all infectious disease occurring amongst school children were duly forwarded to me from the schools.

School Closures.—Warwick Coton End Infants, 29th Jan. to 8th Feb., Influenza.

PREVALENCE OF, AND CONTROL OVER, TUBERCULOSIS.

AGE—PERIODS			NEW CASES.						DEATHS.					
			Non-						Non-					
			Pulmonary.		Pulmonary.		Pulmonary.		Pulmonary.					
			M.	F.		M.	F.		M.	F.		M.	F.	
0	—	—	...	1	—	...	—	—	...	1	—
1	—	—	...	1	—	...	—	—	...	—	—
5	1	—	...	5	2	...	—	—	...	—	—
15	1	—	...	1	—	...	1	1	...	—	—
25	1	1	...	—	—	...	1	—	...	—	—
35	2	2	...	—	—	...	1	—	...	—	—
45	—	1	...	—	1	...	—	1	...	—	—
55	—	—	...	—	—	...	—	—	...	—	—
65 and upwards			...	1	—	...	—	—	...	1	—	...	—	—
			...	—	—	...	—	—	...	—	—	...	—	—
TOTALS			...	6	4	...	8	3	...	4	2	...	1	—

During the year 21 new cases of Tuberculosis were notified, 10 being cases of Pulmonary Tuberculosis, and 11 of other Tuberculous diseases.

7 cases of Tuberculosis were admitted for treatment at a Sanatorium, and 8 were discharged during the year.

The following is a tabular statement of the number of cases of Tuberculosis notified yearly since 1920, together with the number of deaths from this disease :—

	1921	1922	1923	1924	1925	1926	1927	1928	
Cases	26	24	17	23	16	20	21	24	
Deaths	9	12	6	18	7	12	12	15	
	1929	1930	1931	1932	1933	1934	1935	1936	1937
Cases	30	20	26	15	25	12	14	24	21
Deaths	20	13	12	10	15	8	6	12	7

I have supplied the County Medical Officer of Health every week with lists of new cases of tuberculosis notified, and the County Health Visitor has visited and given advice where such appeared necessary.

Disinfectants and sputum bottles are supplied free through the Sanitary Inspector for cases where they are desirable. After deaths from Pulmonary tuberculosis, or after removal of such patients when the circumstances require it, disinfection is carried out by the Inspector.

The following table shows the number of cases notified during the past 26 years from various parts of the town. It will be realised, of course, that this does not mean that the disease was necessarily contracted at this address, as cases of this character frequently change their abode :—

					New Cases of Tuberculosis notified 1912-1937 inclusive.
Albert Street	...	...	...	...	19
All Saints' Road	...	...	...	...	3
Avon Street	...	...	...	...	26
Banbury Road	...	...	...	...	2
Barrack Street	...	...	...	...	2
Beauchamp Road	...	...	...	...	3
Birmingham Road	...	...	...	...	3
Bowling Green Street	...	...	...	...	3
Bridge End	...	...	...	...	10
Bridge End	...	...	...	...	6
Bridge Street	...	...	...	...	2
Broad Street	...	...	...	...	2
Brook Street	...	...	...	...	9
The Butts	...	...	...	...	3
Castle Lane	...	...	...	...	4
Cape Road	...	...	...	...	13
Chapel Street	...	...	...	...	6
Chapman Street	...	...	...	...	8
Charles Street	...	...	...	...	3
Cherry Street	...	...	...	...	13
Church Street	...	...	...	...	8
Cliffe Hill	...	...	...	...	1
Commercial Buildings	...	...	...	...	4

New Cases of
Tuberculosis notified
1912-1937 inclusive.

Corn Market ...	...	...	...	...	2
Coten End ...	...	...	...	...	12
Coventry Road	...	...	...	...	4
Crompton Street	...	...	...	...	10
Cross Street ...	...	...	...	...	4
Deer Park Drive	...	...	...	...	2
Edward Street	...	...	...	...	5
Emscote Road	...	...	...	...	24
Factory Yard	...	...	...	...	4
Friars Street ...	...	...	...	...	15
Gerrard Street	...	...	...	...	2
Greville Road	...	...	...	...	2
Guy's Cliffe Terrace	...	...	...	...	4
Guy's Street ...	...	...	...	...	3
Hall Street ...	...	...	...	...	1
Hampton Street	...	...	...	...	4
Heathcote ...	...	...	...	...	2
High Street ...	...	...	...	...	5
Hill Street ...	...	...	...	...	12
Humphriss Street	...	...	...	...	16
Joyce Pool ...	...	...	...	...	2
Jury Street ...	...	...	...	...	1
Lammas Walk	...	...	...	...	1
Linen Street ...	...	...	...	...	35
Longbridge ...	...	...	...	...	3
Lower Cape ...	...	...	...	...	7
Lyttleton Road	...	...	...	...	2
Market Street	...	...	...	...	11
Market Square	...	...	...	...	4
Meadow Road	...	...	...	...	1
Mill Street ...	...	...	...	...	3
Millers Road ...	...	...	...	...	1
Monk Street	...	...	...	...	5
Myton ...	...	...	...	...	5
New Street ...	...	...	...	...	2
Newburgh Crescent	...	...	...	...	1
North Rock ...	...	...	...	...	6
Oken Road ...	...	...	...	...	2
Old Square ...	...	...	...	...	1
Packmore Street	...	...	...	...	4
Paradise Street	...	...	...	...	3
Parkes Street	...	...	...	...	13
Pickard Street	...	...	...	...	14
Pickard Row	...	...	...	...	4
Priory Road ...	...	...	...	...	5
Queen's Square	...	...	...	...	5
St. John's ...	...	...	...	...	2
St. Nicholas Church Street	...	...	...	...	7
St. Laurence Avenue	...	...	...	...	4
Saltisford ...	...	...	...	...	21
Sanders-Street	...	...	...	...	7
Smith Street ...	...	...	...	...	11
Stand Street ...	...	...	...	...	14
Stratford Road	...	...	...	...	1

					New Cases of Tuberculosis notified 1912-1937 inclusive.
Theatre Street	...	...	...	...	4
Union Road	...	...	...	...	12
Upper Cape	...	...	...	...	2
Victoria Street	...	...	...	...	5
Vine Lane	...	...	...	...	7
Wallace Street	...	...	...	...	5
Wathen Road	...	...	...	...	1
Wedgnock Green	...	...	...	...	1
West Road	...	...	...	...	5
West Street	...	...	...	...	14
Wharf Street	...	...	...	...	4
Woodcote Road	...	...	...	...	1
Woodhouse Street	...	...	...	...	11
Woodloes Lane	...	...	...	...	3
Warwick Hospital	...	...	...	...	20
					<hr/> 599 <hr/>

4. CAUSES OF SICKNESS.

There is nothing of special note.

REPORT OF SANITARY INSPECTOR.

TO THE CHAIRMAN AND MEMBERS OF THE PUBLIC HEALTH AND
HOUSING COMMITTEE.

MR. MAYOR, MRS. COUNC. BAILEY AND GENTLEMEN,

I beg to submit the Annual Report of Nuisances abated and sanitary work carried out within the Borough of Warwick for the year ended 31st day of December, 1937.

The Nuisances abated during the above period amounted to 1,238 and are classified in Table I.

CANAL BOATS ACTS, 1877 AND 1884.

The number of boats visited and inspected during the year ended 31st day of December, 1937, was 40, and of these 42 inspections were made as follows :—

38 boats were inspected once	...	38 inspections.
2 boats were inspected twice	...	4 inspections.
		<hr/> 42 inspections. <hr/>

Number of boats contravening the Acts—11.

Infringements.

Defective Cabins	...	...	...	...	2
Required painting	...	...	...	...	2
Cabins not dry	...	...	...	...	2
Failure to produce registration certificate	...	...	...	...	8
No vessel for storing drinking water	...	...	...	...	2
Boat not properly marked	...	...	...	...	4
					<hr/>
Total	...	...	...	...	20

The necessary notices were served in the above cases and at the end of the year there were 2 notices outstanding.

During the year nine summonses were issued for infringements under the Acts, one firm in respect of three defective boats and two masters for failing to produce registration licences. These summonses were heard at the Warwick Borough Police Court when they were withdrawn on payment of costs.

Number of boats on Register.

Horse drawn	...	...	...	...	9
Motor or Steamer	...	...	...	...	—
					—
Total	...	...	...	...	9
					—

COMMON LODGING HOUSES.

The following are the returns from the two Common Lodging Houses of Lodgers sleeping in the town for the year ended 31st day of December, 1937 :—

Adults.

Males	2,633
Females	1,183

Under ten years.

Males	28
Females	21

Total	3,865
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being an increase of 237 on last year's returns.

MILK AND CREAM REGULATIONS, 1929.

Milk and Cream not sold as Preserved Cream.

During the year 41 samples of milk and 10 samples of cream were submitted to the Public Analyst for examination.

Number of samples examined for the presence of a Preservative.

	No. analysed for preservatives.	No. in which preser- vatives were reported present.
--	------------------------------------	---

Milk	...	...	41	...	Nil
Cream	...	...	10	...	Nil

Milk (Test for dirt).

Satisfactory	...	...	...	42
Unsatisfactory (Showed excessive bacterial contamination)	...	...	...	Nil

ARTIFICIAL CREAM ACT, 1929.

No samples were taken for analysis under this Act.

SALE OF FOOD AND DRUGS ACT.

During the past year 99 samples of various foods and drugs have been submitted to the Public Analyst. One sample of milk was reported as being of poor quality. It has not been found necessary to institute proceedings under the above Acts during the year.

As mentioned in previous reports arrangements have been made, by the County Council, for school children attending Elementary Schools to receive a daily supply of milk. Eight samples of this milk were submitted for Bacteriological examination when it was found that four samples had very high bacterial counts, in one case running into " millions " per cubic centimetre.

During the year it was found necessary to warn several Vendors of milk for failing to have their names and addresses on the cans and vehicles from which they were retailing milk. The average fat content of the samples of milk submitted for examination was 3.65 against 3.5 for the previous year.

The 10 samples of fresh cream examined contained no preservatives and were of good commercial quality, having "Fat" contents varying from 32% to 57%.

Nineteen samples of butter have been submitted to the Public Analyst for examination during the year and were reported as genuine.

GRADED MILK.

During the past year sixteen samples of Pasteurised milk have been submitted for bacteriological examination. Six samples were found to be not complying with the conditions of licence to Pasteurise, owing to excessive bacterial counts, in two instances the bacterial count running into "Millions" per cubic centimetre. One sample of "Accredited" milk was examined and was found to be genuine.

MILK TEST FOR TUBERCLE BACILLI.

During the past year 21 samples of milk have been submitted for this test. Four samples were reported as containing living tubercle bacilli; reports upon these samples were sent to the County Medical Officer of Health. The above samples were derived from the milk of 300 cows from 20 herds.

DAIRIES, COWSHEDS AND MILKSHOPS ORDERS.

During the past year three applications were received for registration, viz., 2 to retail milk (one of these being for registration of fresh premises by an existing retailer) and 1 to be registered as a Cowkeeper and Retailer of milk. One firm having given up the business their name was removed from the Register.

Number of Cowkeepers who are also Purveyors of milk	...	...	...	...	...	13
Number of Cowkeepers who are not Purveyors of milk	...	...	...	...	...	15
Number of Dairymen and Purveyors of milk	...	...	...	...	...	55
Total	...	...	...	...	...	83

THE MILK (SPECIAL) DESIGNATIONS ORDER, 1936.

Description of Licences. *Number in force, 1937.*

- | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|
| (1) Producers' Licences for Tuberculin Tested
milk | ... | ... | ... | ... | ... | Nil |
| (2) Producers' Licences for Accredited milk | ... | ... | ... | ... | ... | 5 |
| (3) Bottling Licences for Tuberculin Tested Milk | ... | ... | ... | ... | ... | Nil |
| (4) Bottling Licences for Accredited Milk | ... | ... | ... | ... | ... | Nil |
| (5) Pasteurisers' Licences for Pasteurised milk... | ... | ... | ... | ... | ... | Nil |

Tuberculin Tested Milk.—Nine firms registered to retail.

Accredited Milk.—Four firms registered to retail.

Pasteurised Milk.—Four firms registered to retail.

Shops.—Fifteen shops selling bottled milk only.

Retailers.—Practically all retailers sell milk in bottles or cartons as well as selling loose milk.

MILK AND DAIRIES ORDER, 1926.

During the past year a number of sheds have again been inspected under the above Order. In two instances cowkeepers were found to be using sheds adjoining the cowsheds for milking purposes. These sheds, which are disused stables, have no proper floors, drainage and the light and ventilation is insufficient. Plans have been submitted for the erection of three new cowsheds and in two instances the buildings have been completed and the other is nearing completion. The cowshed mentioned in my last report, which was the subject of an appeal to the Minister of Health, has now been completed and registered by the local authority.

SLAUGHTERHOUSES.

The inspection of slaughterhouses and butchers' premises has again been carried out as far as time would permit. Seven slaughterhouses were limewashed or repaired after notice. 390 visits and inspections to butchers' premises were made during the year.

At the end of the year there were three licensed and six registered slaughterhouses on the register. Several complaints have again been received during the year.

Slaughter of Animals Act, 1933.

Twenty-one applications were received for renewal of annual licences to slaughter or stun animals under the above Act, while one new licence was applied for.

The Knacker's Yard, which is situate on the outskirts of the town near Myton Road, has again been kept without complaint.

UN SOUND FOOD.

The following is a summary of unsound food and diseased meat, etc., destroyed as being unfit for human consumption during the year 1937.

Food seizures and surrenders for the year 1937 :—

	Cwts.	Qrs.	lbs.
Five carcasses of beasts and internal organs (Generalised Tuberculosis)	28	2	8
Three carcasses of sheep and internal organs (Fevered)	2	3	16
Two carcasses of lambs and internal organs (Unsound)	—	1	22
Two carcasses of pigs and internal organs (Tuberculosis)	2	2	—
Five bovine heads and tongues (Tuber- culosis)	1	—	13
Various joints of foreign meat (Unsound)	—	2	4
One box of apples (Foreign) (Decomposed)	—	1	12
Total	36	1	19

PUBLIC HEALTH (MEAT) REGULATIONS, 1924.

As in previous years the majority of butchers have given notice of fixed times of slaughtering, but in several instances warning had to be sent to persons who slaughtered their animals before notice was given, and in one instance a slaughterman and his employer were reported for failing to give such notice. A report was made to the Public Health

Committee who ordered proceedings to be instituted against the offenders. The summonses were heard at the Warwick Borough Police Court when the slaughterman was fined £1 5s. 0d. and his employer £25 0s. 0d.

Complaints were again received as to pigs being slaughtered on allotments, but there is no objection to these small-holders slaughtering a pig provided they comply with the meat Regulations.

During the year the Bye-law to enforce the use of the "Humane Killer" on all animals intended for human food has been enforced.

Notice of Regular Slaughtering during each week :—

Beasts.	Sheep.	Calves.	Pigs.
16	78	7	42

Notice of Irregular Slaughtering. Number of animals :—

Beasts.	Sheep.	Calves.	Pigs.
90	550	42	176

The majority of the shops where meat is exposed for sale have proper windows for protecting the meat. Several persons were warned for failing to protect their meat from dust while being exposed for sale.

SHOPS ACTS.

During the year 320 visits and inspections have been made to various shops and premises. Several complaints were received about the closing of shops at the proper hours. These were investigated and the occupiers warned as to closing their shops in compliance with the Acts. The sanitary accommodation at three shops has been improved during the year, in one case the drains having been repaired.

WATER SUPPLY.

One sample of well-water taken from a Dairy farm has been submitted to the Public Analyst for examination and was reported to be unfit for drinking purposes. The town water has since been laid on to these premises by extending the public supply. During the year the provision of inside water-supplies has again received attention with the result that 100 cottages have had the town water installed inside the premises, a tap being fixed over glazed sink. Seventeen informal notices were served and 83 formal notices after reports had been made to the Public Health Committee.

At the end of the year the new storage reservoir was nearing completion.

FACTORY AND WORKSHOPS ACTS.

There are 18 bakehouses and 114 workshops on the registers. Two new workshops have been added during the year. Eight bakehouses have been limewashed after notice. The number of visits made to bakehouses was 76 and to workshops and factories 168. The sanitary accommodation and drains at five factories and workshops have received attention.

HOUSING, TOWN PLANNING, ETC., ACTS.

During the year 185 houses were inspected and in each case defects were found to exist. The most serious defects, as in previous years, were dampness, want of damp-proof courses in base of walls, defective roofs, eaves gutters and downspoutings. Also the want of proper sinks, drains and inside water-supplies.

Again, as in previous years, a large number of Owners and Agents have been interviewed, resulting in 84 houses being repaired. At the end of the year there were 24 notices outstanding under the Public Health and Housing Acts. The repairs to the 19 cottages mentioned in previous reports have now been completed. During the past year 6 houses have been demolished.

HOUSE DRAINAGE.

The smoke and water test has been applied to the drainage and fittings of 49 properties comprising 108 houses. The defective drains at 107 houses have been taken up and relaid, or repaired. 21 properties comprising 96 houses have been intercepted from the public sewer in roadway; 48 choked and defective water-closets have been cleared and cleansed and repaired; 36 choked drains have been cleared and cleansed, 38 soil pipes and ventilating shafts have been fixed or repaired. 69 new pedestal water-closets have been fixed, 75 new 2 gallon flushing cisterns have been fixed to water-closets and urinals; 55 new inspection and intercepting chambers have been built.

RATS AND MICE (DESTRUCTION) ACT, 1919.

Under Section 1 of the Rats and Mice (Destruction) Act, 1919, it is a statutory obligation upon the occupier of land or buildings to take such steps as may from time to time be necessary and reasonably practicable for the destruction of rats and mice. If the source of infestation lies outside the occupier's control he is advised to communicate with the Local Authority.

During the year a number of premises from which complaints had been received were visited and inspected, and where found necessary advice was given as to the best methods to adopt for freeing the premises from rats.

During the "Rat Week" special efforts were made to deal with premises known to be infested with rats and mice, and after using dogs and ferrets in the first instance poisoned baits were laid, apparently with good results. As stated in previous reports it is difficult to say how many rats have been killed in this way, but seeing that the majority of baits were taken it must be assumed that a large number of rats have been destroyed in this manner.

Advertisements were inserted in the local newspapers inviting people interested to join in and help during the special week, also a film from the Ministry of Agriculture and Fisheries, "Your Enemy the Rat," was advertised and shown at the local Cinema, and in this way it was found possible to deal with a number of premises in various parts of the town.

LICENSED AND REFRESHMENT HOUSES.

Further inspections have again been made of these premises during the past year, resulting in three premises having been provided with new sanitary accommodation, including four new glazed urinals and nine pedestal water closets. In two cases separate accommodation was provided for females.

INFECTIOUS DISEASE (NOTIFICATION) ACT, 1899.

During the past year 88 cases of Infectious Disease have been notified. 74 of these patients were removed to the Heathcote Isolation Hospital for treatment, viz. :—45 cases of Scarlet Fever, 32 cases

of Diphtheria and 1 case of Paratyphoid Fever. Four cases of Diphtheria were isolated at home. During the year 121 rooms and other premises were sprayed and fumigated, also one school on four occasions. Twenty-six lots of bedding were steam-disinfected or destroyed.

RAG FLOCK ACT (1911) AMENDMENT ACT. 1928.

No samples were taken for examination during the year under the above Act.

CLEANSING OF BROOKS.

During the year the brook situate in Lammas Field and the Saltisford Common has received attention. Complaints were received respecting the fouling of this brook and steps were taken to try and remedy the matter. No complaints have been received during the year of any serious flooding. Storm water sewer and gullies have been laid in the Stratford Road.

I am, Mr. Mayor, Madam and Gentlemen,

Your obedient Servant,

F. J. ALLEN, M.S.I.A.,
Sanitary Inspector,
Borough of Warwick.

TABLE I.

BOROUGH OF WARWICK.

SUMMARY OF SANITARY WORK DONE IN THE SANITARY INSPECTOR'S
DEPARTMENT DURING THE YEAR 1937.

				Inspections and Observations made.	Notices served.		Nuisances Abated after Notices.
					Statu- tory.	In- formal.	
Dwelling Houses and Schools	...	...	...	924	142	310	462
Lodging Houses	...	...	...	8	—	—	—
Dairies and Milkshops	...	...	...	125	—	2	2
Cow Sheds	...	...	...	116	3	5	5
Bakehouses	...	...	...	72	—	8	8
Slaughter Houses	...	...	...	86	—	3	3
Canal Boats	...	...	...	42	9	9	9
Ashpits and Privies	...	...	...	112	56	—	56
Deposits of Refuse and Manure	...	...	...	24	—	12	12
Water-closets	...	...	...	288	21	144	144
House Drainage	...	...	...	393	85	27	224
Water Supply	...	...	...	200	83	17	100
Pigsties	...	...	...	18	—	1	1
Animals improperly kept...	...	...	...	4	—	1	1
Offensive Trades	...	...	...	—	—	—	—
Smoke Nuisances	...	...	...	12	—	1	1
Other Nuisances	...	...	...	420	50	80	210
TOTALS				2844	449	620	1238

							No.
Seizures and Surrenders of Unwholesome Food	...	...	...	...	...	...	14
Samples of Food taken for Analysis (Milk)	...	...	...	...	...	...	99
Ditto of Food found adulterated	...	...	...	...	...	...	—
Ditto of Water taken for Analysis	...	...	...	...	...	...	1
Ditto of Water condemned as unfit for use	...	...	...	...	...	...	1

PRECAUTIONS AGAINST INFECTIOUS DISEASE.

Lots of Infected Bedding Disinfected or Destroyed	...	...	...	...	...	...	26
Houses Disinfected after Infectious Disease	...	...	...	...	...	...	88
Schools ditto ditto ditto	...	...	...	...	...	...	1

F. J. ALLEN, Sanitary Inspector.

TABLE II.
BOROUGH OF WARWICK.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1937 AND PREVIOUS YEARS.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Nett.		Under 1 Year of age.		At all Ages.	
		Number.	Rate.	Number	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8
1931	13,630	169	12.4	9	53	161	12.0
1932	13,660	207	15.2	9	44	194	14.2
1933	13,730	179	13.0	9	50	187	13.6
1934	13,550	189	14.0	6	32	144	10.6
1935	13,530	177	13.0	12	68	153	11.3
1936	13,800	217	15.7	13	60	156	11.3
1937	13,970	228	16.3	15	66	185	13.2

VITAL STATISTICS IN ENGLAND AND WALES, 1937.

ENGLAND AND WALES.

*Birth-rate, Death-rate, and Infantile Mortality during the Year 1937
(Provisional Figures).*

Annual Rate per 1,000 Population.

			Live Births.	Still Births.	Deaths.	Deaths under one year to 1,000 Births.
England and Wales	...	...	14.9	0.6	12.4	58
125 Great Towns, including London			14.9	0.67	12.5	62
148 Smaller Towns	...	...	15.3	0.64	11.9	55
London	...	...	13.3	0.54	12.3	60

TABLE III.—BOROUGH OF WARWICK.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE
YEAR 1937.

NOTIFIABLE DISEASE.	Number of Cases notified.								Total Cases removed to Hospital.	Total Deaths.
	At all Ages.	At Ages.—Years.								
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.		
Small-pox ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plague ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diphtheria (including Mem- branous Croup)	32	3	10	9	5	4	1	.....	28	2
Erysipelas	9	1	.....	1	.....	1	3	3	.....	.....
Scarlet Fever	44	.....	10	27	5	2	.....	.....	43	1
Typhus Fever ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enteric Fever	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Pneumonia	46	3	8	4	4	9	12	6	.....	15
Malaria ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dysentery ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerperal Pyrexia ...	4	.....	.....	.....	2	2	.....	.....	.....	.....
Cerebro-spinal Meningitis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Poliomyelitis ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Encephalitis Lethargica	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ophthalmia Neonatorum	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Polio-Encephalitis ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pulmonary Tuberculosis	10	.....	1	1	2	2	3	1	.....	5
Other forms of Tuberculosis	11	1	1	7	1	.....	1	.....	.....	1
Totals	197	8	30	50	19	20	20	10	71	24

Isolation Hospitals: Heathcote Joint Isolation Hospital (Warwick M.B.)
Joint Small-pox Hospital (Fosse, in Southam R.D.)

TABLE IV.
BOROUGH OF WARWICK.

CAUSES OF DEATH DURING THE YEAR 1937.

CAUSES OF DEATH.	MALES.	FEMALES.
All Causes	83	102
1 Typhoid and Paratyphoid Fevers ...		
2 Measles		
3 Scarlet Fever		1
4 Whooping Cough		
5 Diphtheria	1	1
6 Influenza		
7 Encephalitis Lethargica		
8 Cerebro-spinal Fever		
9 Tuberculosis of Respiratory System ...	4	1
10 Other Tuberculous Diseases	1	
11 Syphilis		
12 General Paralysis of the Insane, Tabes Dorsalis		
13 Cancer, Malignant Disease	6	15
14 Diabetes	2	3
15 Cerebral Haemorrhage, etc.	2	6
16 Heart Disease	26	30
17 Aneurysm		
18 Other Circulatory Diseases	4	4
19 Bronchitis		2
20 Pneumonia (all forms)	12	3
21 Other Respiratory Diseases		
22 Peptic Ulcer	1	
23 Diarrhoea, etc. (under 2 years) ...	1	
24 Appendicitis		
25 Cirrhosis of Liver	1	
26 Other Diseases of Liver, etc.		2
27 Other Digestive Diseases		1
28 Acute and Chronic Nephritis	2	3
29 Puerperal Sepsis		
30 Other Puerperal Causes		
31 Congenital Debility, Premature Birth, Malformation, etc.	3	5
32 Senility	2	4
33 Suicide	1	
34 Other Violence	1	3
35 Other Defined Diseases	9	13
36 Causes, ill-defined or unknown ...		

